

GSX Patch Panel and Cable

The **GSX Patch Panel** allows customers to break out the GSX9000™ CNA40 Circuit Network Adapter RJ48H 50-pin connector into individual RJ48C connectors. Each RJ48H connector breaks out into 12 RJ-48C connectors for individual T1/E1 connectivity.

Panel Mechanical Housing

- Fully enclosed housing with no visible wires
- All panel materials (including connectors, wiring, standoffs, etc.) are UL-94 V0 and RoHS-6 compliant
- Material: 16-gauge Cold Rolled Steel (CRS)
- Surface finish: Black powder coat
- Dimensions: 1U 19-inch rack-mountable
- Weight: 1.5 lbs. (0.68 kg)
- Operating temperature/humidity
 - Operating: 5° C to 40° C / Short term: -5° C to 55° C
 - 5% to 90% non-condensing operating humidity
- Altitude: 6,000 ft. (1,800 m.)

The **GSX Patch Cable** is a 12-foot, 180° cable RJ48H-to-RJ48F cable. Each cable supports 12 T1/E1 ports, so two cables are required to fully connect to the 24-port GSX Patch Panel. All T/R and T1/R1 signal pairs must be individual twisted pairs.

50-pin Receptacle Connector

- Universal Service Order Code (USOC): RJ48H
- Screw lock fastener; receptacle cover
- Electric network connection: 12 Transmit Tip/Ring (T/R) pairs and 12 Receive Tip-1/Ring-1 (T1/R1) pairs

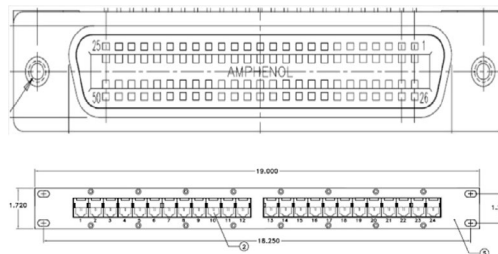


Table 1. Patch Cable Pin Assignments

50-pin Connector	Lead	Mod Jack #	Jack Pin # Assignment
26	T1	CKT 1	2
1	R1		1
39	T		5
14	R		4
27	T1	CKT2	2
2	R1		1
40	T		5
15	R	4	
28	T1	CKT3	2
3	R1		1
41	T		5
16	R	4	
29	T1	CKT4	2
4	R1		1
42	T		5
17	R	4	
30	T1	CKT5	2
5	R1		1
43	T		5
18	R	4	
31	T1	CKT6	2
6	R1		1
44	T		5
19	R	4	
32	T1	CKT7	2
7	R1		1
45	T		5
20	R	4	

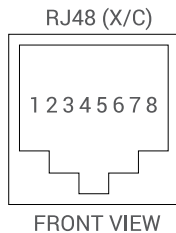
Table 1. Patch Cable Pin Assignments (cont.)

50-pin Connector	Lead	Mod Jack #	Jack Pin # Assignment
33	T1	CKT 8	2
8	R1		1
46	T		5
21	R		4
34	T1	CKT9	2
9	R1		1
47	T		5
22	R		4
35	T1	CKT10	2
10	R1		1
48	T		5
23	R		4
36	T1	CKT11	2
11	R1		1
49	T		5
24	R		4
37	T1	CKT12	2
12	R1		1
50	T		5
25	R		4
38	Not Used		
13	Not Used		

8-pin Receptacle Connector

- Universal Service Order Code (USOC): RJ48C
- Electric network connection: 1 Transmit T/R pair and 1 Receive T1/R1 pair
 - All T/R and T1/R1 signal pairs must be individual twisted pairs

Product Code	Description
GSX PATCHPANEL-24	1U Patch Panel, 24 ports, 19-inch rackmountable, RJ48C x 24, RJ48H x 2, RoHS-6 compliant
GSX PATCHCABLE-12	12-foot RJ48H-to-RJ48H cable, 12 T1/E1 ports, CAT3



Contact Us We are here to help. Let us know if you are interested in a quote or if you have any questions.